

```

import java.io.*;
import java.net.*;
import java.util.*;

public class LineServer {
    public static void main(String[] args) {

        try {
            DatagramSocket socket = new DatagramSocket(2222);
        } catch (SocketException e) {System.out.println("Unable to create the socket");}

        try {
            // associazione di uno stream di input al file da cui estrarre le linee
            BufferedReader in = new BufferedReader(new FileReader(FILE));
        } catch (FileNotFoundException e){System.out.println("Could not open");}

        boolean moreLines=true;

        while (moreLines) {
            try {
                byte[] buf = new byte[256];
                // ricezione della richiesta
                DatagramPacket packet = new DatagramPacket(buf, buf.length);
                socket.receive(packet);
                // preparazione della linea da inviare
                String dString = in.readLine()
                if (dString!=null) {
                    buf = dString.getBytes();
                    // "impacchettamento" e invio della risposta
                    InetAddress address = packet.getAddress();
                    int port = packet.getPort();
                    packet = new DatagramPacket(buf, buf.length, address, port);
                    socket.send(packet);
                }
                else
                    moreLines=false;
            } catch (IOException e) {moreLines = false;}
        }
        in.close();
        socket.close();
    }
}

```

```
import java.io.*;
import java.net.*;
import java.util.*;

public class LineClient {
    public static void main(String[] args) {
        try{
            DatagramSocket socket = new DatagramSocket(3333);
            socket.setSoTimeout(30000);
            byte[] buf = new byte[256];
            for (int i=0; i<200; i++){
                DatagramPacket packet = new DatagramPacket(buf, buf.length, addr, 2222);
                socket.send(packet);
                // pulizia del buffer
                for (int j=0; j<256; j++) buf[j]=' ';
                // ricezione e stampa della risposta
                packet = new DatagramPacket(buf, buf.length);
                socket.receive(packet);
                // sospensiva solo per i millisecondi indicati, dopodichè solleva una SocketException
                String received = new String(packet.getData());
                System.out.println("Line got: " + received);
            }
        }catch(IOException e){break;}
        socket.close();
    }
}
```